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**CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I, Leslie Lindsay, hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on February 19, 2001.

By: *Leslie Lindsay***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****Applicant(s):** Arnold E. Ruoho, et al.**Docket No.:** 98429/9079**Serial No.:** 09/389,835**Group Art Unit:** 1647**Filed:** September 3, 1999**Examiner:** Bunner, B.**FOR:** BACTERIORHODOPSIN/G PROTEIN-COUPLED RECEPTOR CHIMERAS**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE AND STATEMENT UNDER 37 CFR § 1.821(g)**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Communication and Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid, Paper No. 9, mailed 02/07/01, Applicants submit herewith a substitute paper copy of the Sequence Listing and a substitute copy of the Sequence Listing in computer readable form (on 3.5" diskette prepared in Word 97 and saved as a DOS text file). Also enclosed is a copy of the Notice.

The Sequence Listing was objected to on a variety of grounds. The paper copy of the Sequence Listing (filed September 3, 1999) and the computer readable form of the Sequence Listing (submitted December 4, 2000) were found to be different in certain non-substantive respects, although the sequences themselves are identical. The Sequence Listing filed September 3, 1999 did not contain the application number, whereas the computer readable form did contain the application number.

Applicants were asked to supply information in field <223> regarding features of certain the oligonucleotide sequences. Applicants have amended both the paper and computer readable copies of the Sequence Listing to include the requested information. Pursuant to 37 C.F.R. 1.825 (a) and (b), Applicants therefore submit herewith substitute

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copies of the Sequence Listing in paper and computer readable forms. The amendments are supported by the specification filed September 3, 1999 and introduce no new matter.

In accordance with 37 CFR § 1.821(g), the undersigned avers that the content of the computer readable form of the Sequence Listing provided on the enclosed 3.5" diskette is the same as the Sequence Listing in written form and that the submission includes no new matter.

No fee is believed due in connection with this submission. However, if a fee is owed, please charge to deposit account number 50-0842

Respectfully submitted,

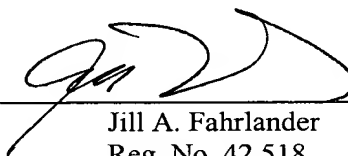
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Date February 19, 2001

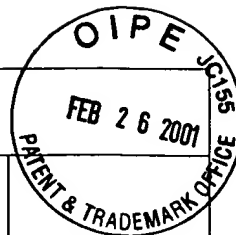
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<b>Notice to Comply</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/389,835	Ruoho et al.
	<b>Examiner</b>	<b>Art Unit</b>
	Bridget E. Bunner	1647



**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☐ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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